

From boatanchors@theporch.com Wed Jun 12 14:03:26 1996  
From: Jack Ray <k4mzw@akorn.net>  
Subject: 19" Rack Parts  
Message-ID: <31BF98A2.2B74@akorn.net>

Hi Gang, I have scoured the "boneyards" from Atlanta to Dayton and back=20  
again, looking for a 8-10 inch rack in which to mount a speaker. Surely=20  
someone out there has an item which will fill the bill on this request.=20  
I've asked this before but with no actual looking place posted.

Anybody got a line on where I might find one??

Regards..... Jack  
MZ=90

From boatanchors@theporch.com Wed Jun 12 14:03:26 1996  
From: "Greg Parsons A.K.A. Rat" <gregp@galileo.mis.net>  
Subject: 6m AM and ant. relays  
Message-ID: <1.5.4.16.19960612104650.1377ed50@204.68.227.1>

Hey gang,  
6m was open last night here, there was a few AM stations on, but none  
answered my call, the Seneca was running great, and the clegg was hearing  
real well last night, now here is the problem, I was having to switch the  
ant back and forth manuly last night, put the seneca in standby, rotate the  
ant. switch, then flip the recive switch on the clegg... talk about turn  
around time <g>. anyone have a relay/idea for ant. switching at 50mc.?

73,  
Greg

P.S. anyone else on 6m AM last night?

-----  
| Greg Parsons      KE4000      gregp@mis.net gregp@lfucg.com      |  
| AMI #865                      Who has the coffee?                      |  
NRA Life, SCCA SCA DOD      http://www.stdio.com/~gregp      http://www.lfucg.com

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: MODSTEPH@ACS.EKU.EDU  
Subject: 6SG7 sub?  
Message-ID: <01I5TVF2W8KK000G8T@ACS.EKU.EDU>

I brought home a National NC-125 in nice physical shape. Turned it  
on and it worked, although not as well as I would expect. Tube check

turned up four bad tubes, including 6SG7's in IF... Any resonable subs for that (6SH7, 6SK7, e.g.). I cannot find my tube substitution manual.

73, Al N5AIT  
modsteph@acs.eku.edu

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: Spencer Petri <spetri@e-tex.com>  
Subject: AuctionWeb Item loy902959 - Tekronix 453 Oscilloscope  
Message-ID: <m0uTvBZ-0002n8C@e-tex.com>

Found this on the AuctionWeb

73 de Pete WA5JCI

```
http://www.ebay.com/aw/item.cgi?item=loy902959
> [AuctionWeb]
>
> [Menu] [Listings] [Search] [Buyers] [Sellers]
> -----
> [Internet Link Exchange]
>
> Member of the Internet Link Exchange
>
> Tekronix 453 Oscilloscope (item #loy902959)
>
> To bid on this item, press the bid button:
>
> For information about all bidders for this auction, follow this link
> to the bidding history page.
>
> If you have questions about this item, please contact the seller at
> the e-mail address provided below. Seller assumes all responsibility
> for listing this item. You are advised to contact the seller to
> resolve any questions before bidding. Currency is U.S. dollars (US$)
> unless otherwise noted.
>
> Current bid for this item: $66.00
```

> Quantity: 1  
> Date auction ends: 06/12/96, 16:01:16 PDT  
> Date auction started: 06/05/96, 16:01:16 PDT  
> Seller: jcreed@rmi.net (registered user)  
> First bid at: \$60.00  
> Number of bids made: 5  
> Current high-bidder: steve@cld9.com (2) (registered user)  
> Item number: loy902959  
> Location of item: Denver, CO  
> Category: Computer Hardware - General  
>  
> Description:  
>  
> Dual-Trace Tek model 453 scope. Excellent cond. except the  
> slide-on CRT screen glare-guard (usually green or amber  
> plastic) is missing. One input probe (with  
> attenuator) only. Shows no sign of wear on cabinet. With  
> carry handle support (adjustable). Age unknown. Tested. Buyer  
> pays \$15 shipping (anywhere U.S.A.)  
>  
> -----  
> [Menu] [Listings] [Search] [Buyers] [Sellers]  
>  
> [eBay]  
> eBay Internet (aw@ebay.com)

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: "Terry O'Laughlin, RM:7135, #:6-6667" <OLAUGHLIN@vilas.uwex.edu>  
Subject: BA SWL rigs  
Message-ID: <MAILQUEUE-101.960612155916.288@vilas.uwex.edu>

My favorite SWL rig is my Eddystone S-680X. No tuning dial on any American radio comes close to that Eddystone feel, completely smooth with absolutely no slop or backlash. Add in the huge linear dial, the crystal filter, clear and sweet audio, the lighthouse logo... An uncommonly good radio.

If I had to choose an American radio, it would be the 51J-3 (R-388). The 1kHz dial resolution, no nonsense styling, decent audio, and excellent craftsmanship.

The SX-62 is better looking, but the performance? arf! The SP-600 is also better looking, though the front panel is a trifle overblown (a whole second window just for a logging scale?). I've never had one

that didn't drift and those d\*\*\* caps will drive you nuts (you'll also pop a nut trying to move the thing around). The SX-73 and SX-88? Try and find one at a reasonable price. The R-390/390A? You've got to be into S&M or have forearms like Popeye.

73      Terry O'      WB9GVB

From boatanchors@theporch.com   Wed Jun 12 14:03:26 1996  
From: arc5@ix.netcom.com (David Stinson )  
Subject: Re: BC-191 Osc. Mod.  
Message-ID: <199606121119.EAA03793@dfw-ix2.ix.netcom.com>

You wrote:

>  
>...looking for information regarding a modification  
>that was done commercially to the old BC-191  
>and BC-375 transmitters. This mod supposedly helped  
>to stabilize the master oscillator...

Hello Tom/All.

I have used my BC-375 on the air on 160/80 mtrs for some time now without real problems. It has a very slight chirp, which is to be expected from a radio designed in the 1920s. The BC-191/-375 got a reputation for being drifty, FMing and chirpy. In fact, when properly powered, keyed, loaded and neutralized, this isn't a problem. I urge you not to do modifications to an historic rig. Here are some hints:

#### Power

The rig needs a good, solid 28 VDC supply and a stable 1000 VDC at about 400 mills. The HV supply has both B+ and B- floating above ground. It doesn't need to be regulated; just "stiff."

#### Keying

The rig uses a "rotory" keying relay in the upper corner near the antenna connection. Make sure all these contacts are clean. Burnish them with paper or other gentle means. Don't file or sandpaper! The several contacts on this relay are supposed to make contact in a specific order. Units that have been "hammed" usually have had this relay diddled. It needs to make in the proper order to prevent "whooping cough" keying. If you think

yours has been tinkered, let me know.

#### Tuning/Loading

The rig must be tuned and loaded properly. Otherwise, the mismatch can cause several problems that lead to chirp and shortened tube life, which you really don't want in a VT-4/211 tube. If you're feeding coax, put the output network selector in position 2 so that you are using a series-tuned output circuit. The RF meter will read less than an amp, even with full normal output. If you need full, correct tuning procedure, again please let me know.

#### Neutralization

This is the single biggest "devil" in this rig. It has led many hams astray, tricking them into destroying these rigs by the thousands. If it isn't "right," the final breaks into parasitics at the top of modulation peaks, spiking the plate current and pulling the MO off freq. Thus, the infamous and undeserved charge of "FMing." Here's the simple solution, which must be done for each tuning drawer and whenever you change finals: Beg, borrow or swipe and ICOM 735 or other rig that has a real FM detector. With the receiver on SSB, zero-beat the unmodulated carrier of the 191/375. Switch to FM. Switch the old war vet to "TONE." The neutralization control is under the tuning chart on the drawer. Give the silver locking screw next to it a quarter turn to unlock the control. Key the rig and tune the neutralization wheel for minimum audio signal in the FM receiver. Note that this will also pull the MO freq a bit, so you may have to retune the FM receiver a little while getting that "null." Re-lock the control and you're set.

A couple of other tips: Like any 60-year-old rig, these can suffer from leaky caps. They will cause whooping, swooping, bad audio and overtaxed tubes. Check them out. Secondly, check for good contacts on the tuning drawer bow-nanna plugs. They are also a source of grief.

73 DE Dave Stinson AB5S  
arc5@ix.netcom.com

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: Spencer Petri <spetri@e-tex.com>  
Subject: Best receiver?  
Message-ID: <m0uTyvB-0003qyC@e-tex.com>

My vote would be for the R-390A (mine has product detector mod and rebuilt audio with 6AQ5 and 8 ohm transformer.)

BTW if your R-390(A) seems hard to tune the front panel may have shifted on the radio (Ala UPS handling) causing misalignment to the tuning mechanism. Sometimes this will happen and it seems a pipe wrench is needed to turn the KC knob.

73 de Pete WA5JCI

From boatanchors@theporch.com Wed Jun 12 14:03:26 1996  
From: billo@nti.net (Bill Wilson)  
Subject: Best SWL rigs  
Message-ID: <19960612132410334.AAA713@LOCALNAME>

I would like to throw in a vote for the 51J4 and the SX-73. Both rigs offer the listener nice filtering options and they both perform well in the tropical section of the SWL band. The SX-73 is missing band six though and will go up for sale shortly because I found another one with band six. The 51J4 end points need to be adjusted and plan to do that soon. They are off about 11 kc! I have read that there were two PTOs for the J4...the good ones drifted very little and the bad ones require yearly adjusting to keep them in shape. If adjusting will not fix the problem I'll try to find another PTO from a R-388 or N.O.S.

Bill  
AC4LC  
Jacksonville, Al.  
email: billo@nti.net

From boatanchors@theporch.com Wed Jun 12 14:03:26 1996  
From: Al Klase <alklase@postoffice.ptd.net>  
Subject: Re: Best SWL rigs  
Message-ID: <199606121418.KAA16750@ns1.ptd.net>

Dear BASWL's

I missed the post with the original question, but I think I've got

the drift now:

All two-tuning cap electrical-bandspread sets are a pain 'cause you can't tell what frequency you're on.

51J4: My current favorite. The 6KHz mechanical filter gives reasonable audio response while still rejecting the ubiquitous 5KHz heterodynes in the SW broadcast bands. Of course, you can find the frequency easily.

R-390A: Two AM mechanical filters: T00 wide (8KHz) and T00 narrow (4KHz). Good frequency accuracy. QSY is a chore. Try going from 5975KHz to 6175KHz.

R-390: Slightly inferior LC filters (vs. 390A) but the 3KHz AUDIO filter beats the heterodynes.

SP-600JX-17: Good to listen to. The MECHANICAL bandspread via gear drive provides a very accurate logging scale. This enables you to return to a frequency, even though you don't know exactly what it is. A few notes in your log lets you tune your favorite stations. The dial accuracy is very good for a receiver with a tunable FIRST local oscillator.

All of these are superior boatanchors.

My two cents,  
Al

Al Klase - N3FRQ  
alklase@postoffice.ptd.net  
Flemington, NJ

From boatanchors@theporch.com Wed Jun 12 14:03:26 1996  
From: Bob Duckworth <rmd@ka4ybr.netmha.com>  
Subject: Re: Best SWL rigs  
Message-ID: <199606121601.MAA04276@ka4ybr.netmha.com>

Philco S-38.

Programable dial.  
Press in the knob and spin.  
Stops right on the station.  
Wife lets it in the living room.  
Sounds like shortwave :-)

-bob

From boatanchors@theporch.com Wed Jun 12 14:03:26 1996  
From: jkh@lexis-nexis.com (John Heck)  
Subject: Book For Sale  
Message-ID: <9606121740.AA22249@beans.lexis-nexis.com>

Listfolks,

I came across a very nice boatanchor book which I will offer for sale. The book itself is a dandy but it has a rather nice twist to it which makes it unusual, I think.

The title is Robison's Manual of Radio Telegraphy and Telephony. It goes on to state that it is "for Use of Naval Radiomen". It was published by the U.S. Naval Institute, Annapolis, MD, in 1928. The original edition was first published in 1911. This book is in very good condition. There is no foxing, missing pages, dogeared pages, or writing in the book. The cover is in very good condition with the exception of some darkening, but no staining. The book is slightly oversize, measuring 7" x 11". The pages are all nice and white and all of the tipped in illustrations and drawings are present in excellent condition. It is the 8th revised edition.

I believe that this is a text as it has a long discussion of electronic theory and treats it at the first year college calculus level. It goes on to a discussion of circuits and devotes a lot of space to arc and spark transmitters, including cut-away folded and tipped in drawings of the latter. Lots of history here, to be sure.

The twist is that this book was owned by a gentleman named Marcus Glazer, of Laurelton, Long Island, whose maroon stamp appears on several pages as well as on the front cover. This would ordinarily seem to be a flaw if it weren't for the item I found in the back of the book. That is a very nice draftsman's blueprint(a nice unfaded dark blue) of a schematic, designed by Mr. Glazer in 1932. It was labeled as follows:

-----  
CIRCUIT                      MODEL                      B. A. M.



-----  
Designed By:        M. G.                1932  
-----  
Drawn By:           E. R.                5-16-32  
-----  
Checked By:        jfb                5-23-32  
-----  
PART No.                7069  
-----

It's a BC/SW 3 band superhetrodyne receiver. It has bands at 0530-1600, 1600-4700, and 0530-6000 kc. The IF is 0465kc. It is an AC reciever with a very well filtered power supply employing an '82 full wave rectifier and utilizing the field coil of the speaker as a filter choke. It has an RF amp('58), a '27 L0, a '58 mixer, two stages of IF amplification using '35's, and two stages of push/pull AF amplification

using '56's in the first stage and '35's in the second. It features tone control, phono

connections, and a dual '56 AVC circuit with what looks to my mind to be an S-meter.

Most of the interstage coupling is inductive. All the values are given on the print.

It seems like a sophisticated circuit for 1932 and that makes it rather interesting.

Mr. Marcus must have been a more than ordinary E.E. but maybe I'm just over impressed.

There is no indication of any commercial enterprise connected with this drawing.

The blueprint measures 11x17, no fading, being a nice deep blue with white lettering.

It was folded in the book but the paper is quite heavy stock and it is very well suited

for framing. If I end up keeping the book and print I will frame it and display it with the book on a shelf in my shack. It's that nice, I think.

I will sell the book and blueprint, postage included, shipped UPS, for \$75.

I have gotten some pretty nice copies made and will send one to anyone who will send

me a SASE, for free. It will have to be folded, however. It would be nice framed, as

well, and if I sell the original I'm going to frame a copy for myself. If you would

like an unfolded copy I'll undertake to buy a mailing tube and ship it to you for \$12.50 postpaid.

From boatanchors@theporch.com Wed Jun 12 14:03:26 1996

From: jkh@lexis-nexis.com (John Heck)  
Subject: Books FS  
Message-ID: <9606121318.AA22077@beans.lexis-nexis.com>

Listfolks,  
I have the following books for sale. The price does not include shipping. I will ship which ever way you are willing to pay for, although I have had excellent experience shipping books at the USPS book rate, and it is the cheapest.

These books are in good condition, no missing pages or other damage, other than the usual darkening of the covers that accompany all old books unprotected with dust jackets.

Radio Operator's License Q & A Manual, Milton Kaufman, Rider, 1962, 720 pp, like new  
with slightly torn dustjacket and plastic book cover. \$10

Standard Handbook For Electrical Engineers, McGraw-Hill, 1941, 2301 pp, very good, tabbed encyclopedic handbook covering \*a lot\* of material, including electrical  
as well as electronic. \$10

LOKI, "The Life of Steinmetz", Jonathan Norton Leonard, 1929, 291 pp, very good, \$10

Radio Operators License Q & A Manual, Milton Kaufman, 1955, 720 pp, good to very good,  
\$10

Fundamental Electronica and Vacuum Tubes, Arthur Lemuel Albert, 1938, 442 pp, very good, \$10

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For the "boys and girls" on your list:

How It Works - An Encyclopedia of Mechanical Knowledge, Ellison Hawks, 1941, very good,  
Not radio but might strike a nostalgic chord with someone, \$10

Radio Boys With the Flood Fighters, A. Chapman, 1928, Good to very good, \$20

Boyscout Electricians or The Hidden Dynamo, Scout Master G. Harvey Ralphson, 1913, good to very good, nice illustrated cover and frontspiece, \$20

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: Bill\_Carns-R07670Q@email.sps.mot.com  
Subject: Collins boxed tubes  
Message-ID: <"Macintosh \*/PRMD=MOT/ADMD=MOT/C=US/"@MHS>

	Subject:	Time:4:12 PM
OFFICE MEMO	Collins boxed tubes	Date:6/12/96

Also looking for a Collins boxed tube. Collins brand name. Any tube type will do. They are usually transmitting or rectifier tubes. Does anyone have one they would like to sell. Thanks for the help. Bill N70TQ

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: "Ray L. Mote" <rmote@rain.org>  
Subject: Command Set Modulators: HV Relay replacement  
Message-ID: <Pine.SUN.3.93.960612183548.12848C-1000000@coyote.rain.org>

This came to light because of Mike Flicinski's missing HV relay in a MD-7/ARC-5 modulator. I checked the manuals, and found that all the SCR-274-N, all the Navy Model ATA, and the early production AN/ARC-5 modulators used a Western Electric 5586 unit (SPST, 7200 turns No. 35 enameled, resistance 400 ohms +/- 15%). The ARC-5 manual indicates that later ARC-5 production used a Western Electric 5586 unit (SPST, 5450 turns No. 33 enameled, resistance 200 ohms +/- 15%).

Wonder why:

1. They made the change at all?
2. They didn't change the ATA or SCR-274-N? (A 1948 revision to the SCR-274-N manual still shows the old characteristics.)
3. They didn't at least change the part number?

Anyone got any answers? Either way, looks like he's gonna have to use one of the older NOS 400-ohm units I have here, unless someone can come up with a later 200-ohm unit for him.

73.....Ray Mote, W6RIC <rmote@rain.org> Oxnard, CA

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: "Allan Fritsche" <fritsche@msn.com>

Subject: Contact Cleaners

Message-ID: <UPMAIL03.199606122356000834@msn.com>

Gang, Almost had a heart attack today in Houston. Went down to Electrotex to get some contact cleaner. In particular looking for DEOXIT. They didn't carry that brand so I bought the cheapest can made by Chemtron. I couldn't believe it cost 12 Bucks. Also a little bottle of GC Coil Dope, almost 3 bucks.

I just wish these teenagers would start a new drug habit so prices would at least stabilize.

Now to work on my project, It's cooled down to at least 90 in the garage.

Al  
fritsche@msn.com

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996

From: jmiller@teleteam.com (Jay H. Miller)

Subject: E.F. Johnson Knobs

Message-ID: <v01510101ade4a6a4deac@[205.198.110.2]>

I have a nice Ranger which is missing the crystal socket cover. At Hamcomm last week I found a couple of parts radios which were, alais, also missing this item. A quick check of several collectors indicates this is a frequent problem. However, I have found a solution-- just like old man Johnson himself!

Go to your friendly electronic parts store or hardware store and buy a 1 1/2" snap-in hole plug! Exactly the right fit. Now all you have to do is find some of the 1" knobs and mount it to the hole plug (after painting the plug, of course).

That is your FREE tip for the day!

Now, who has a couple of extra 1" knobs (with the little white titty) they'd like to pass on? Anybody?

Thanks!

\*\*\*\*\* ##### \*\*\*\*\*  
Jay H. Miller, KK5IM Dallas, Texas  
The Pocket Guide to Collins Amateur Radio Equipment  
jmiller@teleteam.com  
\*\*\*\*\* ##### \*\*\*\*\*

From boatanchors@theporch.com Wed Jun 12 14:03:26 1996  
From: Witmerjr@aol.com  
Subject: Re: Fair Radio 7360's  
Message-ID: <960611234646\_215538822@emout10.mail.aol.com>

Bill Sorsby, N5BU commented on 11 June 96 that he had attempted to obtain one of the 7360s that Fair Radio was advertising for \$15.

I must have been one of the lucky ones. I ordered my 7360 by Fax on 5/29 - it was shipped on 6/3 and I received it approximately 6/5 or 6/6.

The one I got is a Sylvania unit built to a 1977 Gov contract.

73

Bob

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: "Jim Berry" <basalop@eskimo.com>  
Subject: Fair Radio address?  
Message-ID: <199606122247.PAA00671@mail.eskimo.com>

I tore my Bookmarks file apart trying to find the Fair Radio address.  
Would someone pass it to me.

Thanks so much

73 Jim

\*\*\*

Jim Berry K7SLI. QTH: Marysville, Wa (Near Seattle)  
Email: basalop@eskimo.com FAX: 360-659-1360  
Ham Digital: K7SLI @ K7SLI.#NWWA.WA.USA.NA  
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From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
Subject: FS: Hallicrafters, Heathkit, Regency, Misc.

I have for sale the following items listed below. I will ship prepaid or COD UPS. All units are in working order and are very clean. These units were built by my uncle (Silent key)

Heathkit Monitor Scope HO-10 with manual, VG cond.	90.00
Heathkit Hamscan HO-13 Panadapter, VG cond.	90.00
Hallicrafters SP-44 Panadapter good cond. with org manual	90.00
Hallicrafters S-38C Receiver, good cond.	75.00

Thank You

----- Forwarded message ends here -----

Dick Dillman  
WPE2VT N6VS ex-WA2BJK  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
Subject: FS: Johnson KW Matchbox

I have a beautiful Johnson KW matchbox for sale. I would rate the condx as 8/10. I am selling it for a friend who does not have Internet Access. It is one of the more recent units, Model 250-30 (I will double check that today).

Asking \$225

Feel free to make an offer.

Pete Brunelli  
N1QDQ

pcb@connix.com

----- Forwarded message ends here -----

Dick Dillman  
WPE2VT N6VS ex-WA2BJK  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: Michael Crestohl <mc@shore.net>  
Subject: FS: Nice color reproductions of COLLINS RADIO share certificates  
Message-ID: <199606122213.SAA07700@northshore.shore.net>

FOR SALE: Beautiful color reproductions of Collins Radio Company stock certificates.

I have a couple extra of these - very nice certificates of stock for 100 common shares in the Collins Radio Company dated March 1971. These are suitable for framing and look very good although they are reproductions and have no actual value nor do they represent any ownership of any shares of the company and are marked on the back as such.

I'll sell them for \$8.00 each including postage. I've seen original Collins stock certificates going for \$20.00 and more.

If interested please reply by e-mail

73,

Michael Crestohl, KH6KD/W1  
mc@shore.net

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: "Lahlum-FLR111 Ross" <ross\_lahlum@msmail.wes.mot.com>  
Subject: FW: Best SWL rigs  
Message-ID: <9606122220.AA13847@kay.wes.mot.com>

My favorite SWL rig? Hard to decide between the R-390A and the RBC-3. The R390A is a great receiver, but, as Al Klase mentioned, "QSY is a chore. Try going from 5975KHz to 6175KHZ." For surfing, I really like the RBC-3 with its genuine-boatanchor-big-honkin'-dial-you-can-spin-across-bands. I also like its audio better. More fun for the kids, too, they can tune in stations easily. But for pulling in weak signals in congested bands, it's the R390A. I'll keep both!

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R-390A: Two AM mechanical filters: T00 wide (8KHz) and T00 narrow (4KHz). Good frequency accuracy. QSY is a chore. Try going from 5975KHz to 6175KHZ.

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: Fwd: FS: Hallicrafters, Heathkit, Regency, Misc.  
Message-ID: <77737.ddillman@igc.apc.org>

\*NOTE\* The message below is a re-post from rec.radio.swap. All replies must go to the person making the post, not me. Non-BA items have been edited from this message.

----- Forwarded message begins here -----

From: John Grow <jgrow@vir.com >  
Newsgroups: usenet.rec.radio.swap  
From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: Fwd: FS: Johnson KW Matchbox  
Message-ID: <77731.ddillman@igc.apc.org>

\*NOTE\* The message below is a re-post from rec.radio.swap. All replies must go to the person making the post, not me.

----- Forwarded message begins here -----

From: pete brunelli <pcb@connix.com >  
Newsgroups: usenet.rec.radio.swap  
From boatanchors@theporch.com Wed Jun 12 14:03:26 1996  
From: lblaske@pclink.com (Lee Blaske)  
Subject: Re: Heathkit Feet & Linear Parts  
Message-ID: <v02130501ade49fe329a7@[204.72.134.88]>

Gary Harmon wrote:

>Al Harbach/407.723.7145/wa4dru@iu.net has replacement feet for the SB-200  
>and SB-220 linears. \$2.65 for 4 large feet and 2 small feet shipped. No  
>risers available. Al also has a wide variety of replacement parts for the  
>Heathkit toob linears.

I bought some Heathkit feet from Al Harbach. They'll work in a pinch, but they're not correct in any way. The feet I got from him were hard plastic and brown, not like the original rubber ones. Your equipment will slide around on the desk using these.

BTW, I later found the exact same type of feet that I got from Al Harbach at my hardware store (cheaper too).

I'd like to think that the other items he sells are up to snuff. Making stuff available to keep these rigs going is a valuable service.

Lee AA0EF



From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: wb6zwc@ns.net  
Subject: Line Filters needed  
Message-ID: <199606130302.UAA27044@tomcat.ns.net>

Guys and Gal:

I find myself in need of a Line Filter. It will have to do 20 amps at 250 volts. I guess I need one for each side of the line so that makes two I need.

I see them here and there but nothing suitable has shown up as yet.

-----  
Used sp-600's in the Navy-so so receiver====Used R390's in the Navy and they are good when they are working properly. We usually had a teck standing by to fix them when the mechanical lashing slipped.

=====

Wanted 312-B3  
Richard@Sacramento,Ca.

From boatanchors@theporch.com Wed Jun 12 14:03:26 1996  
From: Rick Blank <rblank@legend.txdirect.net>  
Subject: LTV G133F  
Message-ID: <1.5.4.32.19960612041055.006ad4a8@txdirect.net>

Well, a deal has been made! The G133F, which is a repackaged Collins 51S-1, is a pretty sad looking sight....but, that won't last for long!

I picked up the rig this afternoon and was expecting a lot of work to get the radio ready to listen to as the only thing I had heard on it the day before was WOAI 1200kc... couldn't hear WWV anywhere when the radio was hooked to an Cushcraft R-7....so, I took it home.

The first thing I did when I got it home was to pull all the tubes and squirt some DeOxit D-5 into all the tube sockets and on the pins of all the tubes....better, but still not it....

The next thing I did was to pull the unit out of the LTV enclosure to get to the bandswitching assembly...man, what a device! All those crystals on one rotary "deck"...strange, but efficient....A

quick doseage of DeOxit, and man, there it was!

Folks, if you aren't using DeOxit, you just can't imagine the improvement it is over the normal contact cleaner sprays...It's like "Snake Oil" that works!

Since I now had the radio receiving signals, it was time to take care of the cosmetics....the main tuning shaft was bent so that the tuning knob had an eccentricity of nearly .25"! A hours worth of work later and the shaft now has about .01" of wobble, I'll take it!

I don't know how the regular 51S-1 dial drive mechanism is set up, but, this one is totally unlike the 75S-3A or B, or any of the KWM-2 and -2A's.....it's got a little machined aluminum block that has two ball bearings that the tuning shaft goes thru....this shaft has a gear on one end that has a friction clutch type of arrangement to drive it...dial stops, gear doesn't strip things...there is a third ball bearing that the PTO intput shaft rides in...this lillt gizmus is attached to the front sub-panel with a couple of small screws that thread into this piece...

There is no rotating "shutter" as on the KWM-2 or the 75S-3's, the dial just has markings from 0 to 100. The fiducial mark is not turned by a friction device, either, it has a direct link that actuall has a tiny screw (maybe, I havent dissambled this part, just kinda moved it to the side)...this is held in place by a tiny circlip...

The unit is also not a standard rack mount size, so I am going to see if I can get the front panel to fit into an S-Line rack mount panel and then go from there.

The front panel is a piece of plexiglass that is painted black and has white silk screened lettering....there are also 10 little black holders that hold tiny lamps that illuminate the plexiglass and the white lettering is thusly illuminated.... the little bulbs are held backwards, the glass globe is pointed back into the plexiglass and there is a very thin panel that goes between the front panel and the sub-panel that has like printed circuit metal applied to it and on the front side has the circuit for the light bulb holders (which are soldered to this gizmus) etched into it....man!

I just took a close look at the fromt panel, and I was wrong about the silk screening....the panel is first painted WHITE and then the entire black background is applied OVER this! To me, this is just positively wild! I can't wait to get this rig finished and see what it looks like

at night with all othere lights in the room extinguished...a real live glow in the dark radio!

I also have been cleaning up the tuning mechanism and the band change assembly and using Slick 50 "One Lube" and Rawn's RIP-3... man, it sure switches bands nicely now with a positive but very smoooth detent at the diffrent mc band positions....

Well, that's bout it for tonight, more will follow as more gets done!

73 All

Rick Blank, KI5SL	rblank@txdirect.net
2223 Blanco Road	KI5SL@K3WGF.STX.USA.NOAM
San Antonio, Texas 78212	AMSAT NA#26195

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: drhydro@ames.net (Paul Nelson)  
Subject: re: LTV G133F front panel  
Message-ID: <v01540a00ade5009dec74@[1.1.1.1]>

Rick Blank wrote:

>I just took a close look at the fromt panel, and I was wrong about the  
>silk screening....the panel is first painted WHITE and then the entire  
>black background is applied OVER this! To me, this is just positively  
>wild! I can't wait to get this rig finished and see what it looks like  
>at night with all othere lights in the room extinguished...a real live  
>glow in the dark radio!

Actually, it's a usually a photographic process- the black is applied and an ultraviolet lamp 'cures' the stuff except where an artwork mask keeps it from curing- the result is as you see it. It's called an edge-lit panel, very common in aircraft- esp. larger commercial and military. There are lots of variations on the theme, but they are all uniformly beautiful at night- I have a \*bunch\* of this stuff wired up and glowing softly at me in my shop!

Paul Nelson KB0W0V	"When I go, I want to go quietly, in my
Ames, Iowa	sleep, like my grandfather- not
	screaming, like his passengers."
(DrHydro@ames.net)	

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: "Terry O'Laughlin, RM:7135, #:6-6667" <OLAUGHLIN@vilas.uwex.edu>  
Subject: LTV gear  
Message-ID: <MAILQUEUE-101.960612154003.288@vilas.uwex.edu>

I've got the VHF and UHF LTV units that match the G-133F. They are the G-175C and the G-166A. They are all tube, albeit nuvistor and ceramic planars. They are repackaged and tricked out versions of the Communications Electronics 903 and 702 receivers. One covers 30-260 MHz and the other 250-1000 MHz. The construction is elegant, sensible and beefy without being as grotesquely overbuilt as the standard military stuff. The old CQ "Surplus Sidelights" column says this stuff was used aboard the U-2.

> The unit is also not a standard rack mount size, so I am going  
> to see if I can get the front panel to fit into an S-Line rack mount  
> panel and then go from there.

The G-175 and G-166 are the same, about 1" shy of full rack width, with a lever handle assembly for locking them into a rack.

> The front panel is a piece of plexiglass that is painted  
> black and has white silk screened lettering....there are  
> also 10 little black holders that hold tiny lamps that illuminate

The front panels of the G-175 and G-166 are the same "stealth" lighting design. In the 175/166 the front panel lights are on a separate circuit and need 24-28 V through a rear panel panel connection. I assume that this was to link them to the cockpit lights. The 175/166 also have different colored lenses around the dials. The dials are rear lit opaque white, the tuning windows are a pale blue, and the graticule is a pink/red. Another G-175 owner I know replaced all his Grimes light lenses with red, so that the front panel all lights up red.

The 175/166 also have tactile knobs, with different shapes on the knobs for operating it by feel in complete darkness. Both the G-175 and the G-166 have quiet and sensitive front ends and a great selection of IF bandwidths (10/40/75/3000kHz and 40/75/300kHz, resp). Truly fun spook stuff.

I'd love to find a G-133 and have the whole 500 kHz to 1 GHz setup. There is also a panadapter/SDU for each unit and a counter for the VHF and UHF units. Someone advertised the G-133 panadapter on BA a while back at a pretty stiff price. I have the counter for the VHF/UHF

units but I'm still looking for the SDU.

73      Terry O'      WB9GVB

From boatanchors@theporch.com   Wed Jun 12 14:03:26 1996  
From: jml@spider.lloyd.com (Jim Lockwood)  
Subject: Re: Microphones  
Message-ID: <m0uTi0g-002WhuC@spider.lloyd.com>

At 06:34 PM 6/11/96 -0500, Gary H. Harmon, Jr. wrote:  
>Yo mike experts!   Might you shed some light on 3 mikes I picked up Sunday?  
>  
>1.   Astatic DN-500, grey hammertone body with chrome front, fastens to a UG  
>stand.  
>

This is a dynamic (DN) mike with a low impedance (500) output.   If you use  
a matching transformer to transform the Zs up a bit, it will sound very nice  
with a boatanchor radio.

There was a related mike, the DN-HZ, that seems to be indentical in every  
way except that the impedance matching transformer is built in.   It too, has  
a very pleasant sound.

73,

Jim - km6nk

From boatanchors@theporch.com   Wed Jun 12 14:03:26 1996  
From: rdkeys@csemail.cropsci.ncsu.edu  
Subject: Re: More BA antenna thoughts for Military gear  
Message-ID: <9606121528.AA106252@csemail.cropsci.ncsu.edu>

>  
> Hi Bob,  
> What if you don't know whether your \*random\* length long wire  
> shows high or low impedance? I've been using a homebrew  
> L-network tuner (variable cap in parallel with the link coil  
> in your drawing, i.e., not in series with the main inductor  
> and antenna wire). I don't even know what length wire I've  
> got out - maybe 90 feet between two buildings here on campus.  
>  
> 73 from hot and humid Hawaii,  
> Jeff KH2PZ / KH6  
>

Good point, Jeff. I use T.O.M.'s Skool de Harde Knocks principles.....

Rules of thumb tell me approximations from which to start for feeding any given end-fed antenna to make it work for any tuner or feed impedance.

For Boatanchors or Glowbugs, most tuning requirements are entirely non-critical. Sandboxes and ricenboxes without any output tuning circuits --- beware, cuz they don't cut it in my book without tuned circuits.

Note that in your case, you are fairly close to a magic length of 99 feet. So you can tune relatively well with either a series or parallel combination on many frequencies. But, that length will favor 160 and 40 meters for low impedances and the other bands will be higher impedances. 80 will be medium impedance (but close enough). 30 will be high impedance. 20 and above I will expect to be medium to high impedance. Thus for most applications the L network would work relatively well, but you may get a better match on 160 and 40 in series as opposed to parallel.

Thus.....

\*\*\*\*\*  
Boatanchor Bob's Rules of Thumb For End Fed Antennae:  
\*\*\*\*\*

1. If the antenna is roughly 33 feet long, then it is low impedance on 160, 80, 40, and 30 (close enough).
2. If the antenna is roughly 45 feet long, then it is low impedance on 160, 80, and 40. On 30 it becomes high impedance.
3. If the antenna is roughly 66 feet long, then it is low impedance on 160 and 80 meters and high impedance on 40 meters and low impedance on 30 meters.
4. If the antenna is 99 feet long, then it is low impedance on 160 and 80 meters (close enough here) and high impedance on 40 meters and above.
5. If the antenna is 132 feet long, then it is low impedance on 160 meters and high impedance on 80 meters and above.
6. If the antenna is 200 feet long, then it is roughly high impedance on 160 meters, low impedance on 80 meters, and high impedance on everything else.

7. If the antenna is 264 feet long, then it is high impedance everywhere.

Those basic rules tell me everything I need to know to make an antenna take power, for end fed antennas (is there any other BA type?).

For the above antennas that present low impedances on any frequency, use series coil-series capacitor.

For the above antennas that present high impedances on any frequency, use the series coil-shunt capacitor ``L'' network.

Tune for maximum output on a field strength meter and don't use an swr bridge. Keep any coax feeds less than 3 feet to the tuner. (Coaxe???? What in the world is that stuff --- don't use much, myself.) I usually use a banana plug and jumper wire or a piece of coax with the braid stripped off of it and an alligator clip on the end to the tuner. The tuner is usually a breadboard affair, although I use a cheapie Dentron ``L'' network sometimes, like at field days, or on the HW-16.

Note that I tend to stick to common classical lengths of even ``random wires''. This makes the feeding easy and simple. A ``random'' wire that is within 1/8 wave of the desired multiple of 1/4 wavelength is close enough to take power well, under any circumstances. You do NOT have to cut the wire exactly. Plus or minus 10 feet is fine on any frequency up to 30 meters. I usually measure my antennae by numbers of 6 foot armspans required to get to the correct length (like the ribbon and cloth merchants of old). Believe me, it is entirely close enough for all practical purposes.

Also, it is often advantageous, especially at Field Day, when the ground characteristics are generally poor or unknown (even with a ``ground rod''), to use a quarter wave counterpoise wire laid upon the ground. I use a 66 foot wire on 80 and 160 and a 33 foot wire for 40 and above. All that the counterpoise wire does is to provide capacitance to ground to effectively couple the ground to the antenna. It works best with poorer ground systems, but is effective for me at most locations.

Good Luck

73/ZUT DE NA4G/Bob UP

From boatanchors@theporch.com Wed Jun 12 14:03:26 1996

From: kilgore@dev.tivoli.com (Jeff Kilgore)  
Subject: Need R-4 manual or copy  
Message-ID: <9606121509.AA05979@wichita.tivoli.com>

Does anyone have an R-4 manual that they will sell or photocopy?

73,  
Jeff Kilgore, KC1MK

From boatanchors@theporch.com Wed Jun 12 14:03:26 1996  
From: rdkeys@csemail.cropsci.ncsu.edu  
Subject: Need sandbox part for BA display on Battleship --- HELP  
Message-ID: <9606121602.AA106307@csemail.cropsci.ncsu.edu>

PLEASE REPLY TO ME ONLY AND NOT TO THE NET TO REDUCE BANDWIDTH --- Thanks!

I need a special part for our BA operational display aboard the Battleship North Carolina. We are going to be sending some special broadcast messages to tell the folks about our station, and invite folks to QSO us. I would like to do this with a computer, so that even QRS folks can copy it well (my QLF on the straight iron is well known, and my bug is hard to slow down to 10 wpm or so). I have wired up an interface to a PC serial port that will send the messages automatically (yeah what a stoop to crude modern sandbox play, even for me.....(:+{{....., but it is really better to do it this way). I even have a PC-convertible (almost BA computer) trained to do the sending, although a ``mack'' sending machine would be better, or even a Boehme high speed machine, but I don't have either one. The part that I need to finish this thing is a SERIAL PORT ``SLICE'' FOR AN IBM PC-CONVERTIBLE. IF anyone has a spare one or one they will sell me or loan me for a couple of weeks, I would muchly appreciate it.

Thanks

Bob Keys/NA4G  
rdkeys@csemail.cropsci.ncsu.edu

From boatanchors@theporch.com Wed Jun 12 14:03:26 1996  
From: "Joseph W. Pinner" <kc5ijd@dns1.net-connect.net>  
Subject: Need: 6 Kc filter for 51J-4  
Message-ID: <199606121623.LAA10835@dns1.net-connect.net>

I am still looking for a 6 Kc filter for my 51J-4.

Anyone out there help me with this?



73

Joseph W Pinner  
Lafayette, LA  
KC5IJD  
EMail: kc5ijd@net-connect.net or kc5ijd@aol.com

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: CHARLES HETT <75066.3711@CompuServe.COM>  
Subject: Propagation in 1937 and WWII  
Message-ID: <960613001544\_75066.3711\_CHI29-1@CompuServe.COM>

Does anyone know what hf propagation was like in the 30's and 40's?

I'm especially interested in 1937 (the year Amelia Earhart disappeared) and then 1939 through 1945 (WWII).

I am reading about all the messages sent during the war in both theatres and just wonder how things were.

Thanks.

Charlie k0thn 75066.3711@compuserve.com

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: provero@connix.com  
Subject: Re: Propagation in 1937 and WWII  
Message-ID: <199606130139.VAA10041@comet.connix.com>

During at least one part of WWII, the German tactical radio traffic (30 +/- MHz) between armored units was monitored in the U.S.

The Germans were in North Africa.....

P.J. "Josh" Rovero email: pjr@ocean-surveys.com  
Ocean Surveys, Inc. www: http://www.ocean-surveys.com 91  
Sheffield Street vox: (860)388-4631  
Old Saybrook, CT 06475 fax: (860)388-5879

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: "Dick Dillman" <ddillman@igc.apc.org>

Subject: Re: Propagation in 1937 and WWII  
Message-ID: <77726.ddillman@igc.apc.org>

On Wed, 12 Jun 1996 19:24:43 -0500 (CDT),  
CHARLES HETT <75066.3711@CompuServe.COM> wrote:

>Does anyone know what hf propagation was like in the 30's and 40's?  
>  
>I'm especially interested in 1937 (the year Amelia Earhart disappeared) and then  
>1939 through 1945 (WWII).

Regarding Amelia, I noted that the former Earhart aircraft on display at the Air & Space Museum has some of the radio equipment outside, including a receiver with a station mark scratched in the plastic dial. Done by the famous aviatrix herself? Doubtful. An excellent article by a navy radioman of the period appeared in Naval History a couple of years ago pointing out that Amelia removed all the LF and MF RDF equipment and was left trying to DF on a 8Mc/s beacon, not realizing that this would not work. Marginal pilot (according to some contemporary accounts) and certainly no radiowoman.

Dick Dillman  
WPE2VT N6VS ex-WA2BJK  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Wed Jun 12 14:03:26 1996  
From: wt465@freenet.victoria.bc.ca  
Subject: RADIO / ELECTRONICS BOOKS AVAILABLE  
Message-ID: <01I5TLKVDUAQ8ZJCT6@KUHUB.CC.UKANS.EDU>

NOTE: All books are plus shipping.

A "package deal" can be arranged for anyone interested in buying the entire lot.

If you don't like the advertised price, feel free to make an offer on any or all of these.

-----

- \* RADIO OPERATING QUESTIONS AND ANSWERS  
 Arthur R. Nilson  
 J.L. Hornung  
 7th Ed, 1940, hardback, 415 pgs  
 McGraw-Hill, pub  
 Condition: Good  
 \$18
- \* MODERN RADIO SERVICING TECHNIQUE (Radio-Craft Library No 27)  
 by the editors of "Radio-Craft" (Hugo Gernsback)  
 1941, paperback, 65 pgs  
 Radcraft Publications  
 Condition: Fair (pages good, cover rough)  
 \$35
- \* PRACTICAL ELECTRICITY  
 Terrell Croft  
 4th ed, 1940, hardback, 700 pgs  
 McGraw-Hill, pub  
 Condition: Excellent  
 \$50
- \* PRINCIPLES AND PRACTICE OF RADIO SERVICING  
 H.J. Hicks  
 1st ed, 1939, hardback, 305 pgs  
 McGraw-Hill, pub  
 Condition: Excellent pages + binding, cover fair to poor  
 \$20
- \* VACUUM TUBE VOLTMETERS  
 John F. Rider  
 1st ed, hardback, 179 pgs  
 John F. Rider, pub  
 Condition: Fair to good  
 NOTE: includes original receipt from Specialty Dist  
       Company in Macon, Georgia, dated 7-19-46  
 \$25
- \* SERVICING SUPERHETERODYNES  
 John F. Rider  
 Revised ed, 1934, hardback, 308 pgs  
 John F. Rider, pub  
 Condition: Fair to good  
 \$35
- \* AN HOUR A DAY WITH RIDER ON RESONANCE & ALIGNMENT  
 John F. Rider  
 1936, hardcover, 91 pgs

John F. Rider, pub  
Condition: Fair  
\$20

\* AN HOUR A DAY WITH RIDER ON D.C. VOLTAGE DISTRIBUTION IN  
RADIO RECEIVERS

John F. Rider  
1936, hardcover, 96 pgs  
John F. Rider, pub  
Condition: Cover, poor - Good pages and binding  
\$15

\* UNDERSTANDING RADIO

Herbert M. Watson  
Herbert E. Welch  
1940, hardcover, 603 pgs  
McGraw-Hill, pub  
Condition: Good to excellent  
\$45

\* PRINCIPLES OF RADIO

Keith Henney  
4th ed, 1942, hardcover, 549 pgs  
John Wiley & Sons, pub  
Condition: Good to excellent  
\$50

\* RADAR ELECTRONIC FUNDAMENTALS

TM 11-466 (War Dept Technical Manual)  
29 June 1944, softcover, 474 pgs  
GPO, pub  
Condition: Poor to fair  
\$10

\* TROUBLESHOOTING AND REPAIR OF RADIO EQUIPMENT

TM 11-4000 (War Dept Technical Manual)  
April 1945, softcover, 57 pgs  
GPO, pub  
Condition: Fair to good  
\$10

\* ELECTRICAL FUNDAMENTALS

TM 1-455 (War Department)  
27 Jan 1941, softcover, 155 pgs  
GPO, pub  
Condition: Poor  
\$8

- \*        MODERN RADIO SERVICING  
          Alfred A. Ghirardi, B.S., E.E.  
          1st ed, 1935, hardcover, 1318 pgs  
          Murray Hill Books, pub  
          Condition: cover is poor to fair - pages are good  
          \$35
- \*        REFRESHER COURSE IN FUNDAMENTAL MATHEMATICS FOR BASIC  
          TECHNICAL TRAINING  
          Training Div, Bureau of Naval Personnel, Navy Dept  
          1942, softcover, 171 pgs  
          U.S. Naval Institute, pub  
          Condition: Excellent  
          \$20
- \*        THE RADIO AMATEUR'S HANDBOOK  
          A.R.R.L.  
          1945, hardcover, 512 pgs + catalog section  
          Condition: Poor, but all pages intact & readable  
          \$20
- \*        RCA RADIOTRON DESIGNER'S HANDBOOK  
          F. Langford Smith  
          3rd ed, hardcover, 352 pgs  
          Amalgamated Wireless Valve Co., Pty, Ltd (pub)  
          Condition: Excellent  
          \$65
- \*        BASIC RADIO: THE ESSENTIALS OF ELECTRON TUBES AND THEIR CIRCUITS  
          J. Barton Hoag, PhD  
          1942, hardcover, 379 pgs  
          D. Van Nostrand Co., pub  
          Condition: Excellent  
          \$55
- \*        RADIO UP TO THE MINUTE  
          John R. Irwin  
          Arthur R. Nilson  
          1926, hardcover, 402 pgs  
          Edward J. Clode, pub  
          Condition: Good  
          \$40
- \*        LABORATORY MANUAL IN RADIO  
          Francis E. Almstead  
          Kirke E. Davis  
          George K. Stone  
          1943, softcover, 139 pgs

McGraw-Hill, pub  
Condition: Excellent  
\$35

\* RCA RECEIVING TUBE MANUAL  
RCA Manufacturing Co  
1940, softcover, 224 pgs  
RCA, pub  
Condition: Poor, but all pages intact & readable.  
Cover is very rough and detached from spine.  
\$15

\* AIRCRAFT INSTRUMENTS  
TM 1-413 (War Department)  
2 Feb 1942, softcover, 234 pgs  
GPO, pub  
Condition: Excellent  
\$20

----- END -----

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: "CHARLES W. HALLETT" <ZI076@ccmail.ceco.com>  
Subject: Radioactive Meters  
Message-ID: <9605128345.AA834588090@ccmail.ceco.com>

Gary N9ZSV wrote:

>My R390 and R390A both have original meters and they do not glow in  
>the dark. I feel deprived. What's the story on the wimpy  
>ecologically correct meters? Who do I blame? Green peace? Ralph  
>Nader? I want my gamma rays. Got any tritium paint?

As a public service Gary, send your R390 to me and I will personally arrange for it to reside inside the reactor building of the Zion Nuclear Plant for the next 18 months. I'll try to situate it at the maximum dose point, right on top of the reactor. This is guaranteed to make the whole thing radioactive. Only problem will be getting it off site when its done! But I'll put it in there; Trust ME! (But don't visit my shack) FYI, many things you can buy in the store are very radio active, in fact if you bring them into a nuclear plant you can't get them back out again, they have to be buried as nuclear waste. Coleman Lantern Mantles will peg high most radiation monitors, as well as some stoneware plates made in Mexico. Also the popular salt substitute is very active. So if you don't want to send me your R390, just pour in some salt substitute instead.

73s,

Chuck ai3o

"Real Nukes Glow in the Dark!"

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: dj@bllac.JPL.NASA.GOV (Dayton Jones)  
Subject: Re: Radioactive Meters  
Message-ID: <199606122025.NAA10621@bllac.jpl.nasa.gov>

Chuck's recent message about other common radioactive items is quite correct. I recently borrowed a Geiger counter out of curiosity to see how "hot" the meters and voltage regulator tube in my R-390A really were. The answer is that nothing measured as much as 20% above background, even though one of the meters does glow \*very\* faintly in the dark. Wondering if the counter was functioning properly, I looked for other possibly radioactive objects around the house. A Coleman lantern mantle is indeed quite active, but not surprisingly the best test is the ionization source in a smoke detector. These drive a decent Geiger counter crazy at close range. The lesson is that if you live with smoke detectors, you can certainly live with original R-390A meters.

73,

Dayton Jones  
(dj@bllac.jpl.nasa.gov)

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: "Grant Youngman" <nq5t@gte.net>  
Subject: Re: Radioactive Meters  
Message-ID: <199606122134.QAA18537@uro.theporch.com>

>

> Chuck's recent message about other common radioactive items  
> is quite correct. I recently borrowed a Geiger counter out  
> of curiosity to see how "hot" the meters and voltage regulator  
> tube in my R-390A really were. The answer is that nothing  
> measured as much as 20% above background

According to Rick Mish, only about 1/3 of the the R390A meters produced were actually radioactive at all. Which may explain why some of them don't show much activity. Sad thing, if this is true, is that there are a lot of perfectly good, non-radioactive meters

buried somewhere for some future generation of archeology grad students to dig up, "discover", puzzle over, and write obscure dissertations about.

Grant/NQ5T

-----  
Grant Youngman / NQ5T  
nq5t@gte.net  
HTTP://home1.gte.net/nq5t/index.htm

Beautiful downtown Double Oak, TX  
(near Dallas, if you must know)  
-----

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: "Allan Fritsche" <fritsche@msn.com>  
Subject: Radioactive R-390 meters  
Message-ID: <UPMAIL03.199606122355580460@msn.com>

Gang, I think I said one time that I was a radio repairman in the late sixties with the Army Security Agency. I have aligned, striped down, and repaired more R-390's and A's than I want to remember. Working all shifts overseas and in the states, I have never seen the meters on any glow in the dark. But that was 20 + years ago.

BTW, those receivers are some of the best ever made but, like some on the list, a bitch to change frequencies.

Al  
fritsche@msn.com

From boatanchors@theporch.com Wed Jun 12 14:03:26 1996  
From: Hans Agema <hans@chemeng.chem.uva.nl>  
Subject: Rohde & Schwarz tunable amp UBM  
Message-ID: <2.2.32.19960612085520.007a1428@chemeng.chem.uva.nl>

Hi all,

Greetings from a warm (80) and sunny Amsterdam. I noticed Mikheal Brown's question about a R&S LF (17Hz-600Hz / 6,5-600 kHz) indicator and as it happens the same has been gathering dust on a top shelf over here. When I came across it years ago I also expected it could be used as a LW receiver, but the S/N ratio isn't too good, there is no detector present (apart from



the frontpanel meter), and the dynamic range (no ASR, 5 switched ranges 10uV - 100V) is insufficient to cope with the QSB on Droitwich 198 kHz. The only proper use for it is probably it's original one; a selective indicator for modulated analytical instruments or as a null indicator for bridges. It has only an "active" filter, built round two of the four EF80's (6BX6) with adjustable selectivity by means of feedback control. It is no doubt built like all R&S gear, made to last forever, no compromises. I have a copy of the original manual, both in German and English, if anybody is in need of that, I am willing to copy or fax it, just mail to me direct.

BTW: I'm interested to hear from subscribers in Europe if they are also experiencing "lost editions" to the rate I am lately. Some 2 in 10 digests never make it to my mailserver.....

=====  
Hans Agema      PA0LED      hans@chemeng.chem.uva.nl  
=====

From boatanchors@theporch.com Wed Jun 12 14:03:26 1996  
From: MEC <danmec@inet.uni-c.dk>  
Subject: Re: Rohde & Schwarz tunable amp UBM  
Message-ID: <Pine.3.89.9606121220.A5519-0100000@inet.uni-c.dk>

In my collection of German WW2 military gear, I also have two "SAMOS" receivers, made by R&S. These were used in U-boats to detect enemy radar signals.

After the war several government agencies used post-war versions as frequency control and surveillance receivers to monitor VHF/UHF traffic.

The engineering was superb, as one would expect, although the sensitivity is not what we are used to today.

73 Rag OZ8RO

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: Rod Pears <orton@sentex.net>  
Subject: SB401 XFMR..  
Message-ID: <199606122245.SAA27257@granite.sentex.net>

Hello to BAites.. Anyone got a surplus Power Transformer for a Heath SB401, Frank Allen VE3TJW is looking for one, if you can help, him contact him directly, his E-mail is fallen@terraport.net Many Thanks.. 73

Rod Pears 6062 8th line, Hillsburgh, Ont. N0B1Z0  
Orton Communications / Comp-Ro Refrigeration  
Amateur Radio Callsign VA3RP AMI # 709  
E-mail orton@sentex.net

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: JOHN\_SEHRING.parti@ecunet.org  
Subject: SP-600 ALIGNMENT  
Message-ID: <9606121630.aa14816@pcusa01.ecunet.org>

Sounds like the set needs an alignment. Someone with a 'wax screw driver' probably got in there & cranked every IF adjustment to be found! It's possible for a crystal in a crystal to need some attention. I recall, for example, the National NC-183D crystal in the filter could be disassembled & cleaned if necessary.

I believe the SP's require a sweep generator for a really proper IF alignment or you'll not get the bandpass shapes just right.

BTW, the 'wax screwdriver' was invented by an OT for folks who just love to twiddle adjustments w/o any knowledge of them! It would quickly wear out leaving the twiddler helpless and the equipment saved.

-John Sehring (06/12/96 8:01 am MT @Baker, Montana) wb2eqg

From boatanchors@theporch.com Wed Jun 12 14:03:26 1996  
From: don merz <71333.144@CompuServe.COM>  
Subject: SWLing? SX-62 or AR-88  
Message-ID: <960612173438\_71333.144\_DHB46-3@CompuServe.COM>

Well, I got rid of my J-4 like a fool about 2 years ago. But if all you want to do is SWL then I would suggest the SX-62 or the RCA AR-88. A good-performing SX-62 is a joy for SWLing. Big dial, smooth tuning and great audio. The AR-88 is another great one. Excellent filtering and just the right set of controls for simple, quality cruising of the short waves. Note that neither of these sets has ANY bandspread, mechanical, electrical or otherwise. The AR-88 compensates by gearing the tuning drive REALLY low. So tuning it is like tuning the R390 (but not quite that bad) since it takes some serious work to get from one end of the band to the other. Neither of these radios does sideband very well.

Thanks.  
Don, N3RHT  
71333.144@compuserve.com

From boatanchors@theporch.com Wed Jun 12 14:03:26 1996  
From: sinned@VNET.IBM.COM  
Subject: Tapes of messages  
Message-ID: <199606121558.KAA26119@uro.theporch.com>

Earlier in the week someone mentioned they had a recording of some CW messages from WWII. Pardon me for having lost the note, but would you be willing to make copies for those of us who would really like to hear the tape? Of course I'll pay for media and postal expenses.

Thanks,  
Dennis KC5EPZ  
sinned@vnet.ibm.com

From boatanchors@theporch.com Wed Jun 12 14:03:26 1996  
From: rdkeys@csemail.cropsci.ncsu.edu  
Subject: Re: Tapes of messages from WWII  
Message-ID: <9606121717.AA106484@csemail.cropsci.ncsu.edu>

>  
> Earlier in the week someone mentioned they had a recording of some  
> CW messages from WWII. Pardon me for having lost the note, but would  
> you be willing to make copies for those of us who would really like  
> to hear the tape? Of course I'll pay for media and postal expenses.  
>  
> Thanks,  
> Dennis KC5EPZ  
> sinned@vnet.ibm.com

Before any confusion sets in.... that was probably me.

I am making computer ``tapes'' of as-sent messages for playing in the background at an operational display and special event station of WWII radio on the Battleship USS North Carolina, 21-23 June, 1996. This is Field Day weekend and the friday before.

The texts of the messages will be played by means of a computer program and simple interface that I put together/hacked/wrote/whatever just for this purpose.

The basic program is in the archives (or is supposed to be, or is in AB4EL's archive and on my fast-fading toy unix box). When the special event station is over, I will add the latest messages that I have found and bundle it up again.

There is one fellow that I met on another list that may have some REAL cw messages recorded from the fall of Corregidor. He is supposed to send me a copy of that. I will make that available if anyone is interested, for historical purposes.

If anyone else has any REAL cw message recordings from either WWII or the Korean war, kindly send them ``My Way''. .....

As a firm believer in using/displaying our treasured ``Boatanchors'', I think it is most appropriate that the public see and hear them in action at such times as Armed Forces Day, Field Day, and related times. So, it is only appropriate that they play historically accurate ``background CW musick'' for the public to hear....(:+}}.....right?

73/ZUT DE NA4G/Bob UP

..... still looking for any real as-sent message texts from WWII to include in this display software package..... the death of Roosevelt, VE day, VJ day broadcasts, and any particular Pacific theatre traffic would be wonderful.....

..... what about taking an LM freq meter and keying it in the antenna lead with a small relay and broadcasting it to all the receivers in the display.... hmmm, sounds interesting..... (My OM used to QSO locals in the War Research Labs at Point Loma, San Diego, for the fun of it during WWII, by putting a key in the antenna lead of a BC-221 and keying it around the facility --- worked great, for QSO's up to a dx of a couple of hundred yards!

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: Re: Tapes of messages from WWII  
Message-ID: <48942.ddillman@igc.apc.org>

On Wed, 12 Jun 1996 11:50:55 -0500 (CDT),  
rdkeys@csemail.cropsci.ncsu.edu <rdkeys@csemail.cropsci.ncsu.edu> wrote:

>There is one fellow that I met on another list that may have some REAL  
>cw messages recorded from the fall of Corregidor. He is supposed to send

>me a copy of that. I will make that available if anyone is interested,  
>for historical purposes.

Wow! I'd \*certainly\* be interested in copies of those tapes. It's a very interesting story and the traffic was copied by KFS (just south of me) according to what I've heard. Please let me know.

Dick Dillman  
WPE2VT N6VS ex-WA2BJK  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>  
Subject: variable transformers  
Message-ID: <31BF75DC.6E8D@ghgcorp.com>

Hello everyone, greetings from a rather hot Houston Texas...

A variable transformer I bought from Bob Moody arrived today. Bob's packing job was nothing short of what should be the standard. It was wrapped in bubble wrap (the big bubble kind), placed in a box that was then wrapped in packing foam and then placed in a very sturdy box! I think I could have thrown it from a plane at 5000 feet and it would have survived.

Need a little confirmation. Had no idea how to hook it up, so I got out a filament xformer and the DMM. (The HP VTVM is snobby, it doesn't like this run of the mill voltage stuff) The variable transformer has the standard external tap that rides on the external winding. Hooked 12.6 VAC from a filament transformer on the two ends of the external winding, and the measured voltage between the tap and one of the filament transformer sides varied from 0 to 12.8 VAC as I moved the shaft that moves the tap. Hooked up a 12 volt 40 watt fog light bulb to the tap and one of the filament transformer sides and worked well, volts from 0 to 12.4 across the bulb.

Does my hookup sounds good to y'all? What is the electrical theory behind these units? I thought the tap would be on the secondary, not the primary! Just want to double check it with all you tubemasters before I hooked up my 115 VAC (ooops, I mean my 130 VAC) house current to it.

Thanks and 73,  
Ben

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=====
+ Benjamin D. Hall, Houston Texas +
+ BDHall@GHGCorp.com BHall@GP802.JSC.NASA.gov +
=====
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From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: garland@PHYAS1.MPS.OHIO-STATE.EDU (James C. Garland)  
Subject: Re: variable transformers  
Message-ID: <199606130313.XAA14814@top.magnus.acs.ohio-state.edu>

> What is the electrical theory  
> behind these units? I thought the tap would be on the secondary, not  
> the primary! Just want to double check it with all you tubemasters  
> before I hooked up my 115 VAC (oops, I mean my 130 VAC) house current  
> to it.

>

> Thanks and 73,

> Ben

> --

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>=====
>+ Benjamin D. Hall, Houston Texas +
>+ BDHall@GHGCorp.com BHall@GP802.JSC.NASA.gov +
>=====
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>

>

Hi Ben,

You have an autotransformer, not a transformer. An autotransformer has no secondary, but only a primary with a sliding tap. Usually, autotransformers can be configured two ways, depending on how the leads are connected. The first way allows the voltage to vary from roughly zero up to the primary line voltage (0-120V). The second way allows for roughly a twenty percent overvoltage (0-140V). The principle of operation is essentially the same as for a transformer: an AC current through the primary induces an alternating magnetic flux in the winding (enhanced by the permeability of the core). The alternating flux produces an ac voltage in each turn of the winding (in accord with Faraday's Law), with the sliding tap picking off the voltage. The step-up action occurs because the primary voltage isn't applied across the full winding. With no load, the primary current is negligibly small, since the reactance of the winding is high.

Autotransformers are rated by their maximum current capability, not their maximum power capability, since the latter varies with the tap setting. For longest life, the sliding tap should be adjusted with no load.

73,

Jim W8ZR

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: MODSTEPH@ACS.EKU.EDU  
Subject: Wafer switch \*cry\*  
Message-ID: <01I5TPPVD2LE000F4N@ACS.EKU.EDU>

..so I got inside a physically very nice specimen of a Harvey-Wells TBS-50D "Bandmaster Deluxe..." and found that the top wafer switch (ceramic) was broken.

I recall a rather extensive thread a few months back about wafer switch repair - what was consensus on glueing ceramic wafer for best results -- epoxy? (and if so, what type)...

Input appreciated - or if someone out there has a "parts" TBS-50 from which I could get that wafer section...

My very first transmitter was the TBS-50C, so was really looking forward to getting this one on the air. All comments and suggestions welcomed.

73, Al N5AIT  
modsteph@acs.eku.edu

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>  
Subject: Re: Wafer switch \*cry\*  
Message-ID: <199606122139.QAA29403@dlep1.itg.ti.com>

At 01:56 PM 6/12/96 -0500, Al N5AIT, wrote:

> I recall a rather extensive thread a few months back about wafer  
>switch repair - what was consensus on glueing ceramic wafer for best  
>results -- epoxy? (and if so, what type)...

It was me who asked that question, Al. The majority opinion was to use slow curing epoxy, not the 5-min variety. I don't recall that anyone favored a

particular brand. One person however indicated that Super-glue would also be suitable for some types of ceramic switches. There were some provisos associated with Super-glue such as the switch needing to be non-porous ceramic and not under much stress during operation since the Super-glue wouldn't be all that strong.

Regards,  
Bill Sorsby, N5BU

\*\*\*\*\*  
bill.sorsby@dlep1.itg.ti.com  
Views expressed herein are no one's fault but mine.  
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From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: Bill\_Carns-R07670Q@email.sps.mot.com  
Subject: WTB Collins rack mounts  
Message-ID: <"Macintosh \*/PRMD=MOT/ADMD=MOT/C=US/"@MHS>

	Subject:	Time:4:07 PM
OFFICE MEMO	WTB Collins rack mounts	Date:6/12/96

Can anyone help me find a couple of Collins rack mounts. Need both types.  
For the S-Line full size and for the Spkr/312B-4/P.S. size.

Mucho thanks in advance. Bill N70TQ

From boatanchors@theporch.com Wed Jun 12 14:03:26 1996  
From: "Ray L. Mote" <rmote@rain.org>  
Subject: WTB: AM-2060/GRC AF amp/power supply/etc.  
Message-ID: <Pine.SUN.3.93.960611222446.28636E-1000000@coyote.rain.org>

The AM-2060/GRC is supposedly usable with the PRC-25 or PRC-77 and AS-1729 antenna. I don't know anything about it except that a friend in Australia wants one. If you can help, I'd appreciate it.  
73.....Ray Mote, W6RIC <rmote@rain.org>

From boatanchors@theporch.com Wed Jun 12 22:53:47 1996  
From: "William C. Robbins" <billrobb@serv01.net-link.net>  
Subject: WTB: Heath Test Manuals



Message-ID: <199606122345.TAA07501@serv01.net-link.net>

My son, Matt (N8UGD), is looking for some Heath manuals for the following test equipment. Please e-mail him direct....n8ugd@serv01.net-link.net

V-4  
V-6  
SG-7  
IT-12

Thanks again to all for the help.

Bill

William C. Robbins, WA8CDU  
billrobb@serv01.net-link.net

\*\*\*Heathkit Collector\*\*\*